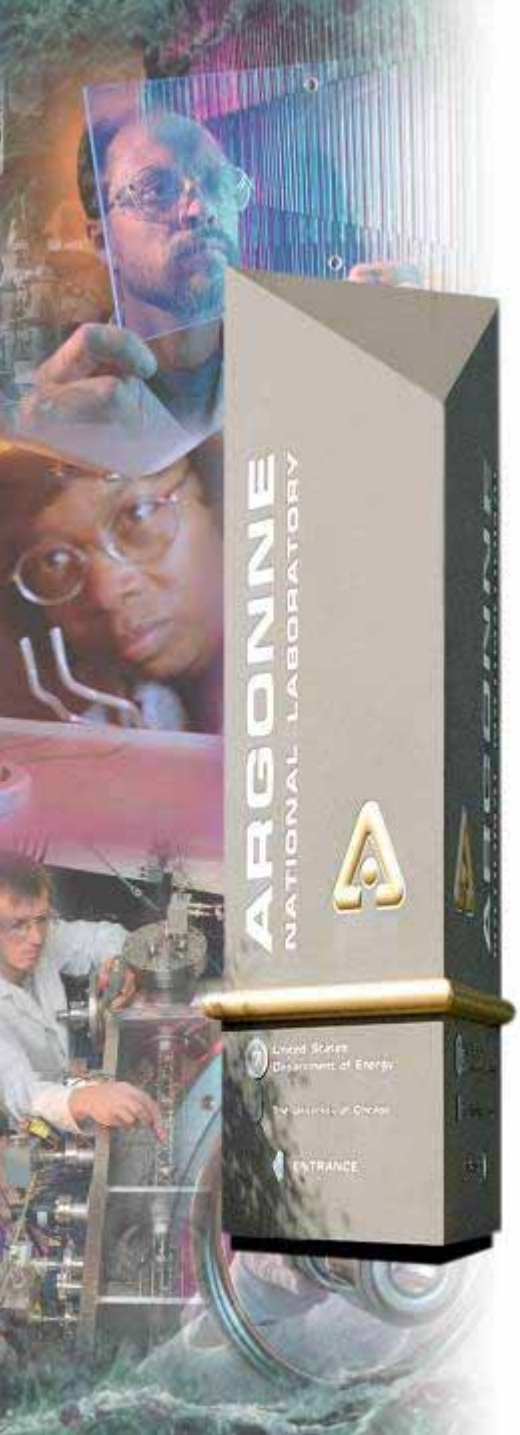

PSAT Training

Part 04B
How to Use PSAT - Import Test Data

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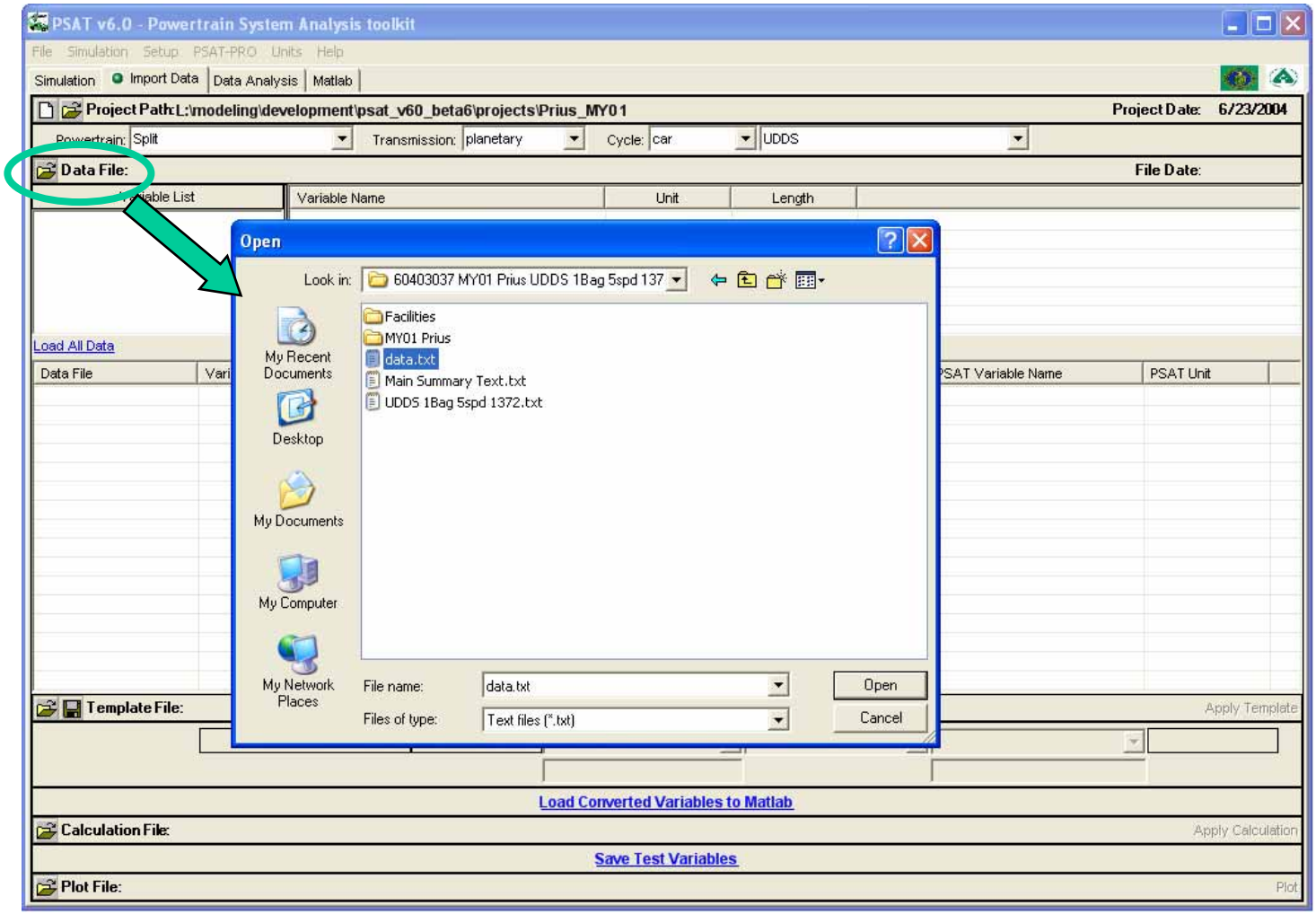
A U.S. Department of Energy
Office of Science Laboratory
Operated by The University of Chicago

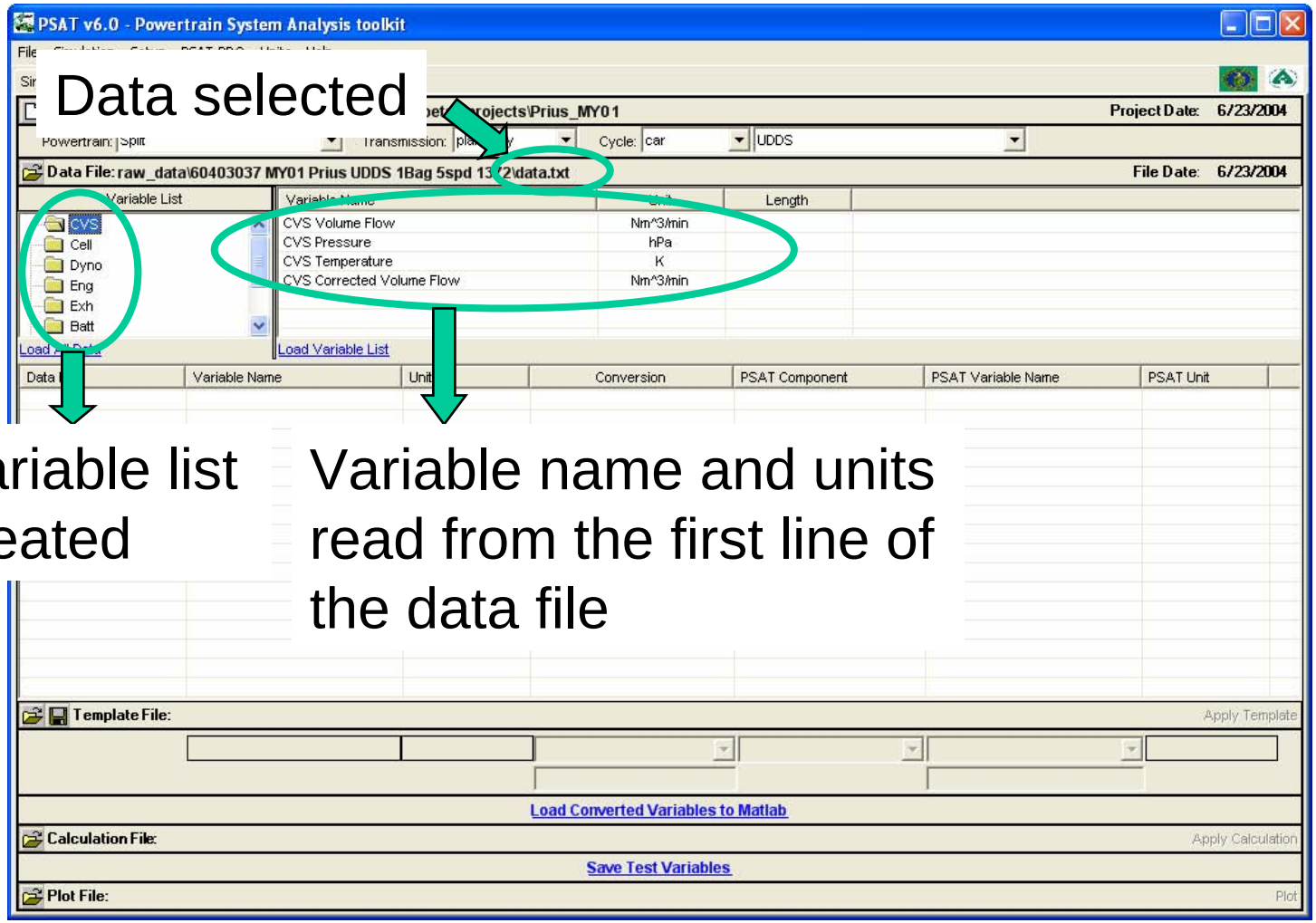
1 – Import Test Data

- **Understand the text file structure**
- **Import test data**
- **Post-process data**
- **Plot imported data**

Load a Data File



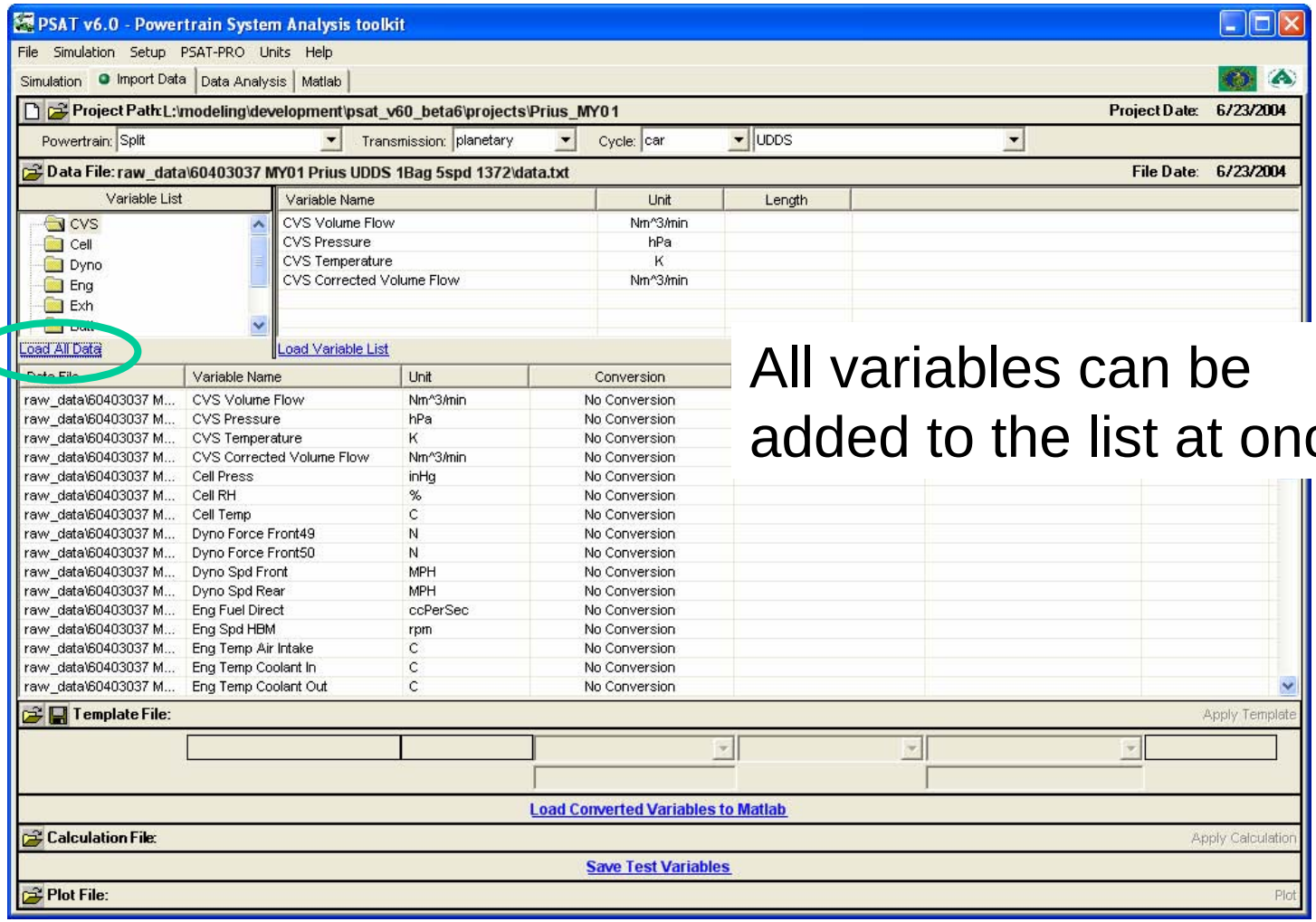
Variable Lists Are Created



Variable list created

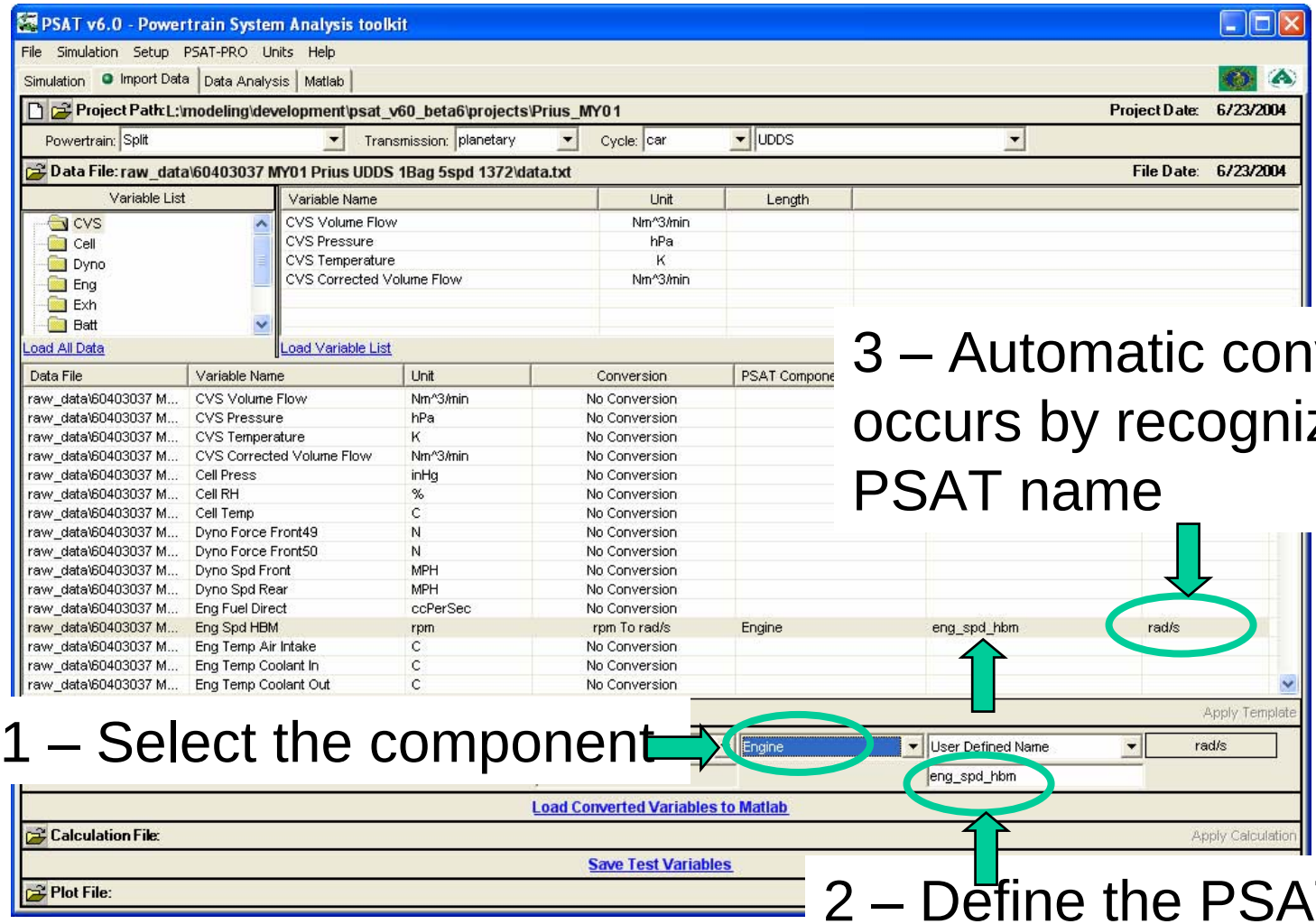
Variable name and units read from the first line of the data file

Load All Data



All variables can be added to the list at once

Rename Variables

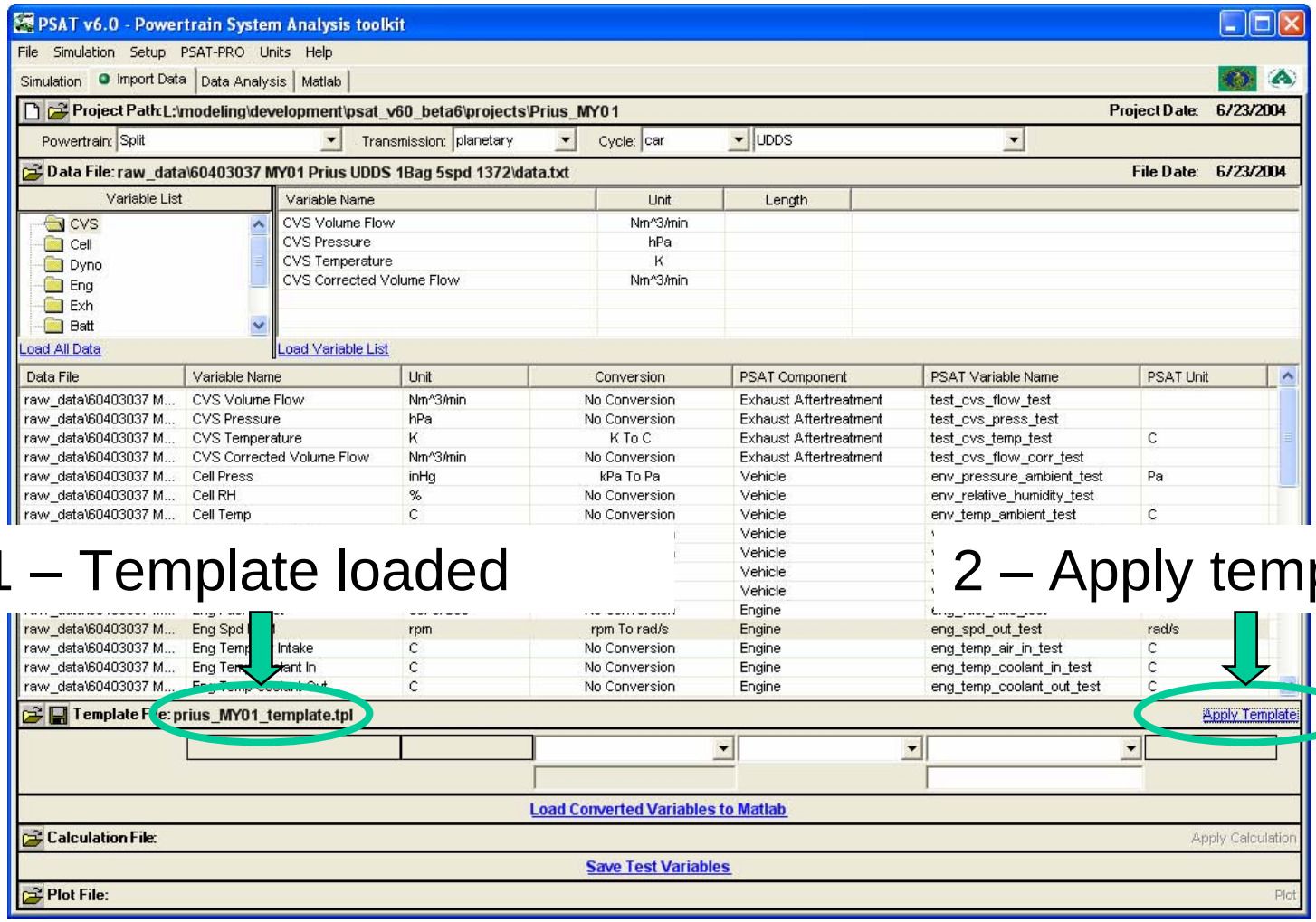


3 – Automatic conversion occurs by recognizing the PSAT name

1 – Select the component

2 – Define the PSAT name

Load Template

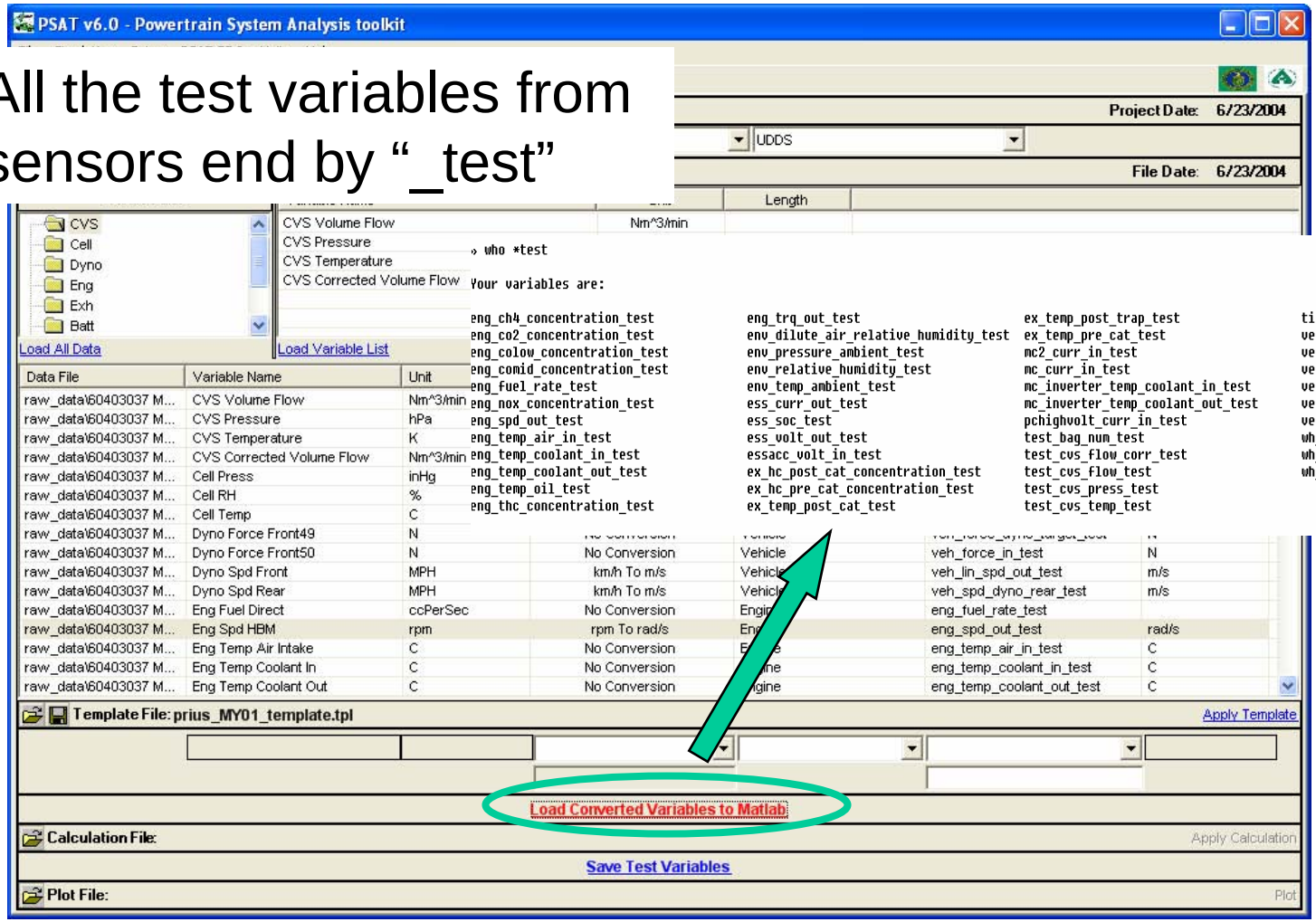


1 – Template loaded

2 – Apply template

Load Variables to MATLAB

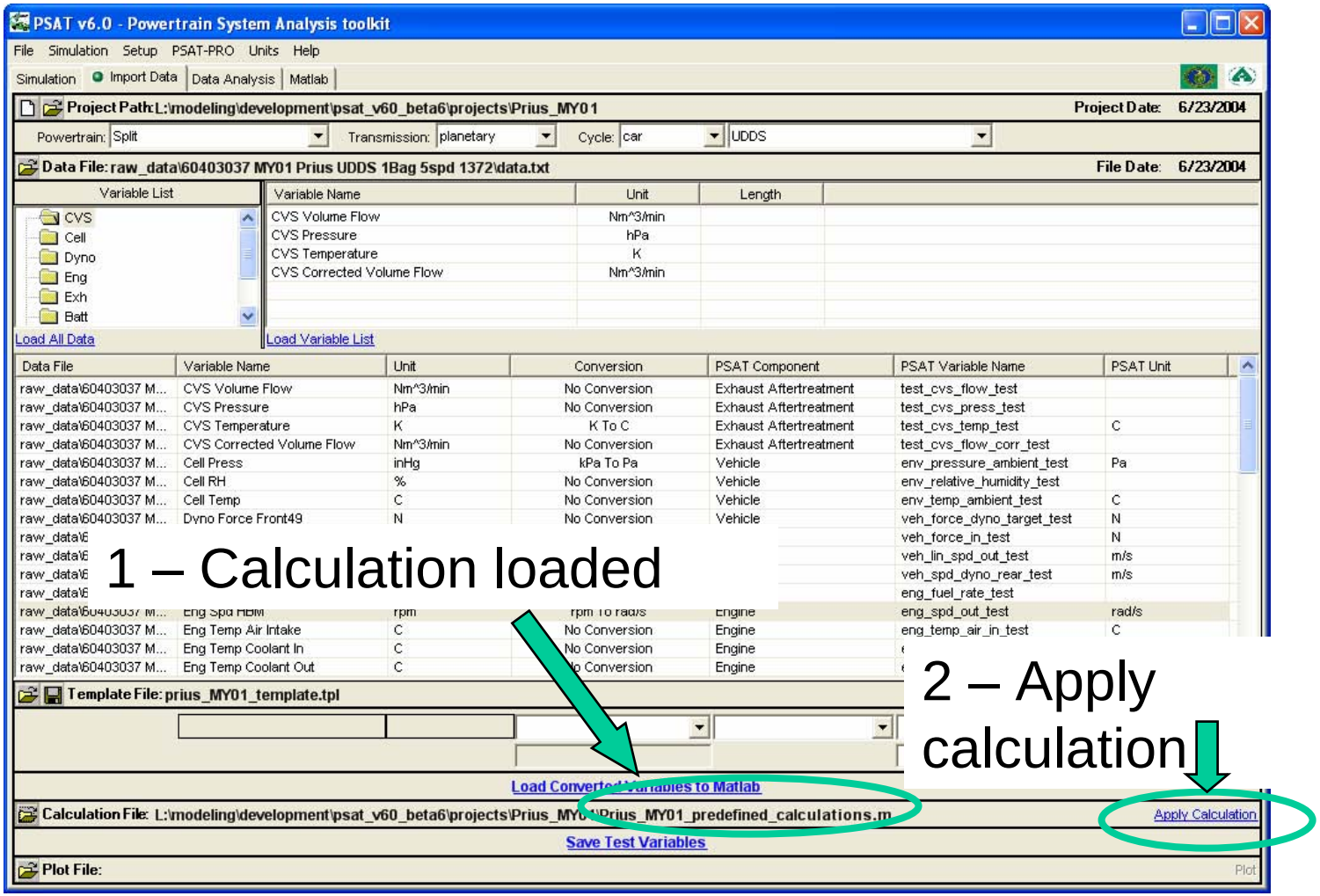
All the test variables from sensors end by "_test"



2 – Post-process Data

- Create calculation file
- Load predefined calculations

Load Predefined Calculations



3 – Plot Imported Data

- **Create plot file**
- **Load predefined plots**

Load Predefined Plots